

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10799736  
Source: 1F40  
Date Processed by STIC: 12/6/14

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 12/06/2004

PATENT APPLICATION: US/10/799,736

TIME: 13:55:33

Input Set : N:\Crif3\RULE60\10799736.raw.txt

Output Set: N:\CRF4\12062004\J799736.raw

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1 <110> APPLICANT: OWMAN, CHRISTER
2 <120> TITLE OF INVENTION: HEPTAHELIX RECEPTOR AND ITS USE AS LEUKOTRIENE B4
3 RECEPTOR
4 <130> FILE REFERENCE: 07675.0001-03 SEQUENCE LISTING
5 <140> CURRENT APPLICATION NUMBER: US/10/799,736
6 <141> CURRENT FILING DATE: 2004-03-15
7 <150> PRIOR APPLICATION NUMBER: US/09/893,512
8 <151> PRIOR FILING DATE: 2001-06-29
9 <150> PRIOR APPLICATION NUMBER: 60/061,789
10 <151> PRIOR FILING DATE: 1997-10-14
11 <150> PRIOR APPLICATION NUMBER: 60/081,958
12 <151> PRIOR FILING DATE: 1998-04-15
13 <150> PRIOR APPLICATION NUMBER: 09/170,069
14 <151> PRIOR FILING DATE: 1998-10-13
15 <160> NUMBER OF SEQ ID NOS: 16
16 <170> SOFTWARE: PatentIn Ver. 2.1
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 1672
20 <212> TYPE: DNA
21 <213> ORGANISM: Homo sapiens
22 <400> SEQUENCE: 1
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24 ctgctccttc ctggtctctt ctcatctggc cccacctcta aggcgtcctc ctgccttctg 120
25 gggtgcccctg gaaaacagac tatccccctt cctagtgaag ggagtgggta ggggtttcag 180
26 cccacccttc aggaagatgc gtcttccctg tcctctgctc tgttggtactt cctctctggc 240
27 tgatttagca aacagcacct agacctgggc caggcctttg gcagtgggac agatccaggg 300
28 ataggctaca ccacctgcc ctgacctgg gattggcatc agcttccaac cagtctctgc 360
29 caaagcttgt aaggtcctcc cgacggccat gaacactaca tcttctgcag cccccctc 420
30 actaggtgta gagttcatct ctctgctggc tatcatcctg ctgtcagtgg cgtggtgtgt 480
31 ggggcttccc ggcaacagct ttgtggtgtg gagtatcctg aaaaggatgc agaagcgctc 540
32 tgctactgcc ctgatggtgc tgaacctggc cctggccgac ctggccgtat tgctcactgc 600
33 tccctttttc cttcacttcc tggcccaagg cacctggagt tttggactgg ctgggtgccg 660
34 cctgtgtcac tatgtctgcg gagtcagcat gtacgccagc gtctgtctta tcacggccat 720
35 gagtctagac cgtcactagg cgggtggccc cccctttgtg tcccagaagc tacgcaccaa 780
36 ggcataggcc cggcgggtgc tggcaggcat ctgggtgttg tcctttctgc tggccacacc 840
37 cgtcctcgcg taccgcacag tagtgccctg gaaaacgaac atgagcctgt gcttcccgcg 900
38 gtaccccagc gaagggcacc gggccttcca tctaactctc gaggtgtgca cgggcttcc 960
39 gctgcccttc ctggtgtgtg tggccagcta ctggacata gggcgtcggc tacaggcccc 1020
40 gcgcttcgcg cgcagccgc gcacggcccg cctggtggtg ctcatcatcc tgaccttcgc 1080
41 cgccttctgg ctgccctacc acgtggtgaa cctggtgag gcgggccgcg cgtggccgg 1140
42 ccaggccgcc ggggttagggc tcgtggggaa gcggtgagc ctggcccgca acgtgctcat 1200
43 cgcactcgcc ttctgagca gcagcgtgaa ccccgctgctg tacgcgtgcg ccggcggcg 1260
44 cctgctgcgc tcggcggggc tgggcttcgt cgccaagctg ctggagggca cgggctccga 1320

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45      ggcgctccagc acgcgcgcgcg ggggcagcct gggccagacc gctaggagcg gccccgcgcg 1380
46      tctggagccc ggcccttccg agagcctcac tgctccagc cctctcaagt taaacgaact 1440
47      gaactaggcc tgggtggaagg aggcgcactt tcctcctggc agaatgctag ctctgagcca 1500
48      gttcagtacc tggaggagga gcaggggcgt ggagggcggtg gagggcggtg gagcgtggga 1560
49      ggcgggagtg gaggtggaaga agagggagag gtggagcaaa gtgagggccg agtgagagcg 1620
50      tgctccagcc tggctccac aggcagcttt aaccattaaa actgaagtct ga 1672
52 <210> SEQ ID NO: 2
53 <211> LENGTH: 352
54 <212> TYPE: PRT
55 <213> ORGANISM: Homo sapiens
56 <400> SEQUENCE: 2
57      Met Asn Thr Thr Ser Ser Ala Ala Pro Pro Ser Leu Gly Val Glu Phe
58      1 5 10 15
59      Ile Ser Leu Leu Ala Ile Ile Leu Leu Ser Val Ala Leu Ala Val Gly
60      20 25 30
61      Leu Pro Gly Asn Ser Phe Val Val Trp Ser Ile Leu Lys Arg Met Gln
62      35 40 45
63      Lys Arg Ser Val Thr Ala Leu Met Val Leu Asn Leu Ala Leu Ala Asp
64      50 55 60
65      Leu Ala Val Leu Leu Thr Ala Pro Phe Phe Leu His Phe Leu Ala Gln
66      65 70 75 80
67      Gly Thr Trp Ser Phe Gly Leu Ala Gly Cys Arg Leu Cys His Tyr Val
68      85 90 95
69      Cys Gly Val Ser Met Tyr Ala Ser Val Leu Leu Ile Thr Ala Met Ser
70      100 105 110
71      Leu Asp Arg Ser Leu Ala Val Ala Arg Pro Phe Val Ser Gln Lys Leu
72      115 120 125
73      Arg Thr Lys Ala Met Ala Arg Arg Val Leu Ala Gly Ile Trp Val Leu
74      130 135 140
75      Ser Phe Leu Leu Ala Thr Pro Val Leu Ala Tyr Arg Thr Val Val Pro
76      145 150 155 160
77      Trp Lys Thr Asn Met Ser Leu Cys Phe Pro Arg Tyr Pro Ser Glu Gly
78      165 170 175
79      His Arg Ala Phe His Leu Ile Phe Glu Ala Val Thr Gly Phe Leu Leu
80      180 185 190
81      Pro Phe Leu Ala Val Val Ala Ser Tyr Ser Asp Ile Gly Arg Arg Leu
82      195 200 205
83      Gln Ala Arg Arg Phe Arg Arg Ser Arg Arg Thr Gly Arg Leu Val Val
84      210 215 220
85      Leu Ile Ile Leu Thr Phe Ala Ala Phe Trp Leu Pro Tyr His Val Val
86      225 230 235 240
87      Asn Leu Ala Glu Ala Gly Arg Ala Leu Ala Gly Gln Ala Ala Gly Leu
88      245 250 255
89      Gly Leu Val Gly Lys Arg Leu Ser Leu Ala Arg Asn Val Leu Ile Ala
90      260 265 270
91      Leu Ala Phe Leu Ser Ser Ser Val Asn Pro Val Leu Tyr Ala Cys Ala
92      275 280 285
93      Gly Gly Gly Leu Leu Arg Ser Ala Gly Val Gly Phe Val Ala Lys Leu
94      290 295 300

```

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Output Set: N:\CRF4\12062004\J799736.raw

```

95      Leu Glu Gly Thr Gly Ser Glu Ala Ser Ser Thr Arg Arg Gly Gly Ser
96      305                      310                      315                      320
97      Leu Gly Gln Thr Ala Arg Ser Gly Pro Ala Ala Leu Glu Pro Gly Pro
98                      325                      330                      335
99      Ser Glu Ser Leu Thr Ala Ser Ser Pro Leu Lys Leu Asn Glu Leu Asn
100                      340                      345                      350
102 <210> SEQ ID NO: 3
103 <211> LENGTH: 27
104 <212> TYPE: DNA
105 <213> ORGANISM: Homo sapiens
106 <400> SEQUENCE: 3
107      wtcttggtsw rcctkgcwkt ggcygac 27
109 <210> SEQ ID NO: 4
110 <211> LENGTH: 29
111 <212> TYPE: DNA
112 <213> ORGANISM: Homo sapiens
113 <400> SEQUENCE: 4
114      akgwagwagg gcagccagca gassrygaa 29
116 <210> SEQ ID NO: 5
117 <211> LENGTH: 48
118 <212> TYPE: DNA
119 <213> ORGANISM: Homo sapiens
120 <400> SEQUENCE: 5
121      acacaggagg caaccagcca gtccaaaact ccaggtgcct tgggccag 48
123 <210> SEQ ID NO: 6
124 <211> LENGTH: 48
125 <212> TYPE: DNA
126 <213> ORGANISM: Homo sapiens
127 <400> SEQUENCE: 6
128      gatcggtgcc agcacccgcc gggccatcgc cttggtgcgt agcttctg 48
130 <210> SEQ ID NO: 7
131 <211> LENGTH: 8
132 <212> TYPE: PRT
133 <213> ORGANISM: Homo sapiens
134 <220> FEATURE:
135 <221> NAME/KEY: VARIANT
136 <222> LOCATION: (3)
137 <223> OTHER INFORMATION: Xaa at position 3 is any amino acid
138 <400> SEQUENCE: 7
W--> 139      Gly Asn Xaa Leu Val Val Leu Val
140          1                      5
142 <210> SEQ ID NO: 8
143 <211> LENGTH: 18
144 <212> TYPE: PRT
145 <213> ORGANISM: Homo sapiens
146 <220> FEATURE:
147 <221> NAME/KEY: VARIANT
148 <222> LOCATION: (6)
149 <223> OTHER INFORMATION: Xaa at position 6 is any amino acid

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Output Set: N:\CRF4\12062004\J799736.raw

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150 <220> FEATURE:
151 <221> NAME/KEY: VARIANT
152 <222> LOCATION: (7)
153 <223> OTHER INFORMATION: Xaa at position 7 is any amino acid
154 <220> FEATURE:
155 <221> NAME/KEY: VARIANT
156 <222> LOCATION: (12)
157 <223> OTHER INFORMATION: Xaa at position 12 is any amino acid
158 <220> FEATURE:
159 <221> NAME/KEY: VARIANT
160 <222> LOCATION: (13)
161 <223> OTHER INFORMATION: Xaa at position 13 is any amino acid
162 <220> FEATURE:
163 <221> NAME/KEY: VARIANT
164 <222> LOCATION: (17)
165 <223> OTHER INFORMATION: Xaa at position 17 is any amino acid
166 <400> SEQUENCE: 8
W--> 167      Leu Leu Asn Leu Ala Xaa Xaa Asp Leu Leu Phe Xaa Xaa Thr Leu Pro
168          1              5              10              15
169      Xaa Trp
171 <210> SEQ ID NO: 9
172 <211> LENGTH: 350
173 <212> TYPE: PRT
174 <213> ORGANISM: Homo sapiens
175 <400> SEQUENCE: 9
176      Met Ser Asn Ile Thr Asp Pro Gln Met Trp Asp Phe Asp Asp Leu Asn
177          1              5              10              15
178      Phe Thr Gly Met Pro Pro Ala Asp Glu Asp Tyr Ser Pro Cys Met Leu
179          20              25              30
180      Glu Thr Glu Thr Leu Asn Lys Tyr Val Val Ile Ile Ala Tyr Ala Leu
181          35              40              45
182      Val Phe Leu Leu Ser Leu Leu Gly Asn Ser Leu Val Met Leu Val Ile
183          50              55              60
184      Leu Tyr Ser Arg Val Gly Arg Ser Val Thr Asp Val Tyr Leu Leu Asn
185          65              70              75              80
186      Leu Ala Leu Ala Asp Leu Leu Phe Ala Leu Thr Leu Pro Ile Trp Ala
187          85              90              95
188      Ala Ser Lys Val Asn Gly Trp Ile Phe Gly Thr Phe Leu Cys Lys Val
189          100             105             110
190      Val Ser Leu Leu Lys Glu Val Asn Phe Tyr Ser Gly Ile Leu Leu Leu
191          115             120             125
192      Ala Cys Ile Ser Val Asp Arg Tyr Leu Ala Ile Val His Ala Thr Arg
193          130             135             140
194      Thr Leu Thr Gln Lys Arg His Leu Val Lys Phe Val Cys Leu Gly Cys
195          145             150             155             160
196      Trp Gly Leu Ser Met Asn Leu Ser Leu Pro Phe Phe Leu Phe Arg Gln
197          165             170             175
198      Ala Tyr His Pro Asn Asn Ser Ser Pro Val Cys Tyr Glu Val Leu Gly
199          180             185             190

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200   Asn Asp Thr Ala Lys Trp Arg Met Val Leu Arg Ile Leu Pro His Thr
201           195                     200                     205
202   Phe Gly Phe Ile Val Pro Leu Phe Val Met Leu Phe Cys Tyr Gly Phe
203           210                     215                     220
204   Thr Leu Arg Thr Leu Phe Lys Ala His Met Gly Gln Lys His Arg Ala
205           225                     230                     235                     240
206   Met Arg Val Ile Phe Ala Val Val Leu Ile Phe Leu Leu Cys Trp Leu
207           245                     250                     255
208   Pro Tyr Asn Leu Val Leu Leu Ala Asp Thr Leu Met Arg Thr Gln Val
209           260                     265                     270
210   Ile Gln Glu Thr Cys Glu Arg Arg Asn Asn Ile Gly Arg Ala Leu Asp
211           275                     280                     285
212   Ala Thr Glu Ile Leu Gly Phe Leu His Ser Cys Leu Asn Pro Ile Ile
213           290                     295                     300
214   Tyr Ala Phe Ile Gly Gln Asn Phe Arg His Gly Phe Leu Lys Ile Leu
215           305                     310                     315                     320
216   Ala Met His Gly Leu Val Ser Lys Glu Phe Leu Ala Arg His Arg Val
217           325                     330                     335
218   Thr Ser Tyr Thr Ser Ser Ser Val Asn Val Ser Ser Asn Leu
219           340                     345                     350
221 <210> SEQ ID NO: 10
222 <211> LENGTH: 355
223 <212> TYPE: PRT
224 <213> ORGANISM: Homo sapiens
225 <400> SEQUENCE: 10
226   Met Glu Ser Asp Ser Phe Glu Asp Phe Trp Lys Gly Glu Asp Leu Ser
227       1           5           10           15
228   Asn Tyr Ser Tyr Ser Ser Thr Leu Pro Phe Leu Leu Asp Ala Ala
229           20           25           30
230   Pro Cys Glu Pro Glu Ser Leu Glu Ile Asn Lys Tyr Phe Val Val Ile
231           35           40           45
232   Ile Tyr Ala Leu Val Phe Leu Leu Ser Leu Leu Gly Asn Ser Leu Val
233           50           55           60
234   Met Leu Val Ile Leu Tyr Ser Arg Val Gly Arg Ser Val Thr Asp Val
235           65           70           75           80
236   Tyr Leu Leu Asn Leu Ala Leu Ala Asp Leu Leu Phe Ala Leu Thr Leu
237           85           90           95
238   Pro Ile Trp Ala Ala Ser Lys Val Asn Gly Trp Ile Phe Gly Thr Phe
239           100          105          110
240   Leu Cys Lys Val Val Ser Leu Leu Lys Glu Val Asn Phe Tyr Ser Gly
241           115          120          125
242   Ile Leu Leu Leu Ala Cys Ile Ser Val Asp Arg Tyr Leu Ala Ile Val
243           130          135          140
244   His Ala Thr Arg Thr Leu Thr Gln Lys Arg Tyr Leu Val Lys Phe Ile
245           145          150          155          160
246   Cys Leu Ser Ile Trp Gly Leu Ser Leu Leu Ala Leu Pro Val Leu
247           165          170          175
248   Leu Phe Arg Arg Thr Val Tyr Ser Ser Asn Val Ser Pro Ala Cys Tyr
249           180          185          190

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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 12/06/2004  
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**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; Xaa Pos. 3

Seq#:8; Xaa Pos. 6,7,12,13,17

**VERIFICATION SUMMARY**

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L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0

L:167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0

M:341 Repeated in SeqNo=8